

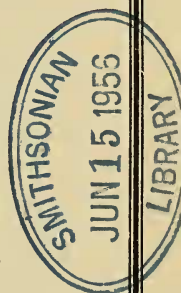
Ref

OPINIONS AND DECLARATIONS RENDERED BY THE INTER- NATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

Edited by

FRANCIS HEMMING, C.M.G., C.B.E.
Secretary to the Commission

VOLUME 1. SECTION C. Part C.23. Pp. 341—352



DIRECTION 34

Addition to the *Official List of Generic Names in Zoology*
of the generic name *Sparus* Linnaeus, 1758 (Class
Actinopterygii) (*Direction* supplementary to *Opinion* 69)

LONDON :

Printed by Order of the International Trust for
Zoological Nomenclature
and

Sold on behalf of the International Commission on Zoological
Nomenclature by the International Trust at its Publications Office
41, Queen's Gate, London, S.W.7
1956

Price Seven Shillings

(All rights reserved)

INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

COMPOSITION AT THE TIME OF THE ADOPTION OF THE RULING GIVEN IN DIRECTION 34

A. The Officers of the Commission

Honorary Life President : Dr. Karl Jordan (*British Museum (Natural History), Zoological Museum, Tring, Herts, England*)

President : Professor James Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953)

Vice-President : Senhor Dr. Afranio do Amaral (*Sao Paulo, Brazil*) (12th August 1953)

Secretary : Mr. Francis Hemming (*London, England*) (27th July 1948)

B. The Members of the Commission

Arranged in order of precedence by reference to date of election or of most recent re-election, as prescribed by the International Congress of Zoology)

Professor H. Boschma (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (1st January 1947)

Senor Dr. Angel Cabrera (*La Plata, Argentina*) (27th July 1948)

Mr. Francis Hemming (*London, England*) (27th July 1948) (*Secretary*)

Dr. Henning Lemche (*Universitetets Zoologiske Museum, Copenhagen, Denmark*) (27th July 1948)

Professor Teiso Esaki (*Kyushu University, Fukuoka, Japan*) (17th April 1950)

Professor Pierre Bonnet (*Université de Toulouse, France*) (9th June 1950)

Mr. Norman Denbigh Riley (*British Museum (Natural History), London*) (9th June 1950)

Professor Tadeusz Jaczewski (*Institute of Zoology, Polish Academy of Sciences, Warsaw, Poland*) (15th June 1950)

Professor Robert Mertens (*Natur-Museum u. Forschungs-Institut Senckenberg, Frankfurt a.M., Germany*) (5th July 1950)

Professor Erich Martin Hering (*Zoologisches Museum der Humboldt-Universität zu Berlin, Germany*) (5th July 1950)

Senhor Dr. Afranio do Amaral (*S. Paulo, Brazil*) (12th August 1953) (*Vice-President*)

Professor J. R. Dymond (*University of Toronto, Toronto, Canada*) (12th August 1953)

Professor J. Chester Bradley (*Cornell University, Ithaca, N.Y., U.S.A.*) (12th August 1953) (*President*)

Professor Harold E. Vokes (*Johns Hopkins University, Baltimore, Maryland, U.S.A.*) (12th August 1953)

Professor Béla Hankó (*Mezőgazdasági Múzeum, Budapest, Hungary*) (12th August 1953)

Dr. Norman R. Stoll (*Rockefeller Institute for Medical Research, New York, N.Y., U.S.A.*) (12th August 1953)

Mr. P. C. Sylvester-Bradley (*Sheffield University, Sheffield, England*) (12th August 1953)

Dr. L. B. Holthuis (*Rijksmuseum van Natuurlijke Historie, Leiden, The Netherlands*) (12th August 1953)

Dr. K. H. L. Key (*Commonwealth Scientific and Industrial Research Organisation, Canberra, A.C.T., Australia*) (15th October 1954)

Dr. Alden H. Miller (*Museum of Vertebrate Zoology, University of California, Berkeley, California, U.S.A.*) (29th October 1954)

Doc. Dr. Ferdinand Prantl (*Národní Museum v Praze, Prague, Czechoslovakia*) (30th October 1954)

Professor Dr. Wilhelm Kühnelt (*Zoologisches Institut der Universität, Vienna, Austria*) (6th November 1954)

Professor F. S. Bodenheimer (*The Hebrew University, Jerusalem, Israel*) (11th November 1954)

Professor Ernst Mayr (*Museum of Comparative Zoology at Harvard College, Cambridge, Massachusetts, U.S.A.*) (4th December 1954)

Professor Enrico Tortonese (*Museo di Storia Naturale, "G. Doria," Genova, Italy*) (16th December 1954)

DIRECTION 34

ADDITION TO THE "OFFICIAL LIST OF GENERIC NAMES IN ZOOLOGY" OF THE GENERIC NAME "SPARUS" LINNAEUS, 1758 (CLASS ACTINOPTERYGII) ("DIRECTION" SUPPLEMENTARY TO "OPINION" 69)

RULING :—(1) The under-mentioned generic name is hereby placed on the *Official List of Generic Names in Zoology* with the Name No. 1011: *Sparus* Linnaeus, 1758 (gender: masculine) (type species, by selection by Bleeker (P.), (1876): *Sparus aurata* Linnaeus, 1758).

(2) The under-mentioned specific name is hereby placed on the *Official List of Specific Names in Zoology* with the Name No. 759: *aurata* Linnaeus, 1758, as published in the combination *Sparus aurata* (specific name of type species of *Sparus* Linnaeus, 1758).

(3) The under-mentioned family-group name is hereby placed on the *Official List of Family-Group Names in Zoology* with the Name No. 71: SPARIDAE Bonaparte (C.L.J.L.), [1832] (type genus: *Sparus* Linnaeus, 1758).

(4) The under-mentioned family-group name is hereby placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* with the Name No. 57: SPAROIDES Cuvier (G.J.C.F.D.), 1817 (type genus: *Sparus* Linnaeus, 1758) (invalid because a vernacular (French) word).

I.—THE SUBJECT MATTER OF THE PRESENT
“ DIRECTION ”

The question dealt with in the present *Direction* was brought before the International Commission on Zoological Nomenclature in the following Report submitted by the Secretary on 1st September 1955 :—

Report relating to the generic name “ Sparus ” Linnaeus, 1758 (Class Actinopterygii)

By FRANCIS HEMMING, C.M.G., C.B.E.,

Secretary to the International Commission on Zoological Nomenclature

The present Report relating to the generic name *Sparus* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 277) is submitted to the International Commission on Zoological Nomenclature in response to a request addressed to myself, as Secretary, at the Session held by the Commission in Paris in 1948. The relevant issues are set out below.

2. Action taken by the Commission in 1922 : The question of the type species of this genus was referred to the Commission on some—now unascertainable—date early in the inter-war period by the late Dr. David Starr Jordan, who at the same time submitted a similar application regarding the species to be accepted as the type species of the genus *Pleuronectes* Linnaeus, 1758. The decisions reached by the Commission in these two cases were embodied in *Opinion* 68 (*Pleuronectes*) and *Opinion* 69 (*Sparus*). These *Opinions* were published in January 1922 (*Smithson. misc. Coll.* 73 (No. 1) 1—8 (*Pleuronectes*), 9—12 (*Sparus*)). Each of these *Opinions* was given the title “ The Type Species of . . . ” the genus concerned, but neither of them gave a Ruling on this subject. In each case the Ruling given was limited to the negative statement that “ Fleming, 1828 . . . does not designate the type of ” *Pleuronectes* in the first case, *Sparus* in the second case.

3. Action taken by the Commission in 1948 : At its Session held in Paris in 1948 the Commission reviewed a number of its older *Opinions* and gave instructions as regards the further action which it considered

to be necessary in order to complete or clarify the Rulings given in the *Opinions* concerned. The decisions then taken in regard to *Opinions* 68 and 69 were recorded jointly as follows (1950, *Bull. zool. Nomencl.* 4 : 337) :—

THE COMMISSION agreed :—

(2) as regards *Opinion* 68 (“The Type Species of *Pleuronectes* Linnaeus, 1758”) and *Opinion* 69 (“The Type Species of *Sparus* Linnaeus, 1758”) :—

- (a) that the incomplete and unhelpful decisions given in the foregoing *Opinions* should be supplemented as soon as possible by *Opinions* specifying the type species of the genera concerned and placing the generic and trivial names concerned on the relevant *Official Lists*;
- (b) that the Secretary to the Commission be invited to confer with specialists for the purpose of submitting proposals to the Commission to give effect to the decision recorded in (a) above.

4. Consultations with specialists : It was not possible to make any progress with this and similar cases until after the publication in 1950 (in vol. 4 of the *Bulletin of Zoological Nomenclature*) of the Official Record of the Paris Session of the Commission. After myself making some preliminary investigations relating to the history of the name *Sparus* Linnaeus, I prepared in 1951 a note on the issues involved in the present case, in which I concluded with an appeal to specialists to assist the Commission in reaching a decision. This note was published on 15th April 1952 (*Bull. zool. Nomencl.* 7 : 203) but it failed to elicit the whole of the information required. In addition, the Directive given to the Commission by the Fourteenth International Congress of Zoology, Copenhagen, 1953, when establishing the *Official List of Family-Group Names in Zoology*, made it necessary to investigate the family-group-names problem involved in the present case. Accordingly, I decided to address a direct appeal for assistance to the following leading specialists : (1) Dr. Ethelwynn Trewavas (*British Museum (Natural History), London*) ; Dr. Leonard P. Schultz (*United States National Museum, Washington, D.C., U.S.A.*) ; (3) Professor Enrico Tortonese (*Istituto e Museo di Zoologia della Università di Torino, Italy*).¹ The Commission is much indebted to them for the valuable help given.

¹ Now of the *Museo di Storia Naturale “G. Doria”*, Genova, Italy.

5. **The type species of the genus "Sparus" Linnaeus, 1758 :** The nominal genus *Sparus* as established by Linnaeus in 1758 contained twenty-two nominal species, but no type species was designated or indicated. The first of these species was *Sparus aurata* Linnaeus, 1758 (*Syst. Nat.* (ed. 10) 1 : 277). The early history of this nominal genus was essentially similar to that of the genus *Pleuronectes* Linnaeus, an outline of which has been given in the Report submitted in regard to that case (Z.N.(S.) 606).² It is sufficient here to note that during the XIXth century efforts were made to determine the type species of the genus *Sparus* both by the "elimination" principle and by that of "subsequent selection", but that it was impossible, in this as in similar cases, to reach any finality in this matter until in 1907 the Seventh International Congress of Zoology, at its meeting held in Boston, Massachusetts, adopted the present Article 30, which for the first time supplied zoologists with a reasonably clear set of rules for determining the type species of genera. Rule (g) in this Article represented a complete victory for the principle of "type species by subsequent selection". The application of this Rule in the present case showed that the first of the originally included species to be selected as the type species of *Sparus* Linnaeus, 1758, was *Sparus aurata* Linnaeus, 1758, that species having been so selected by Bleeker (P.) in 1876 (*Arch. néerl. Sci. nat.*, Haarlem 11 : 281). This species is now universally accepted as the type species of this genus.

6. **Family-Group-Name Aspects :** The generic name *Sparus* Linnaeus was first taken as the base for a family-group name by Cuvier (G.L.C.F.D.) in 1829 (*Règne Anim.* (ed. 2) 2 : ix, 180) who established a nominal family-group taxon to which he gave the vernacular (French) name "Les Sparoides". This family-group name was first published in correct form, as SPARIDAE, by Richardson in 1848 (*Zool. Erebus & Terror* 2(2) (Ichth.) : iv). Under the rules relating to family-group names, names published as vernacular words rank for priority only if this is considered necessary in order to avoid name-changing. In the present case it is considered that, having regard to the considerable period—nearly twenty years—between Cuvier's *Règne Animal* and Richardson's book, and bearing in mind also the confused state of the literature relating to this group of fish during that period, it would be a desirable precaution to accept this family-group name as from Cuvier rather than as from Richardson.

7. **Recommendations now submitted :** In the discharge of the task entrusted to me in this matter, I recommend that in the light of the particulars given in the present Report the International Commission should complete the Ruling given in its *Opinion* 69 :—

- (1) by placing the under-mentioned generic name on the *Official List of Generic Names in Zoology* : *Sparus* Linnaeus, 1758

² The Report here referred to has now been reproduced in paragraph 1 of *Direction* 33 (published in the immediately preceding Part of the present Section of Volume 1.

(gender : masculine) (type species, by selection by Bleeker (P.) (1876) : *Sparus aurata* Linnaeus, 1758) ;

- (2) by placing the under-mentioned specific name on the *Official List of Specific Names in Zoology* : *aurata* Linnaeus, 1758, as published in the combination *Sparus aurata* (specific name of type species of *Sparus* Linnaeus, 1758) ;
- (3) by placing the under-mentioned family-group name on the *Official List of Family-Group Names in Zoology* : SPARIDAE (correction of SPAROIDES) Cuvier (G.L.C.F.D.), 1829 (type genus : *Sparus* Linnaeus, 1758) ;
- (4) by placing the under-mentioned family-group name on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* : SPAROIDES Cuvier (G.L.C.F.D.), 1829 (an Invalid Original Spelling for SPARIDAE).

2. Registration of the present application : Following the decision by the International Commission at its Session held in Paris in 1948 that arrangements should be made for the completion of the Ruling in regard to the generic name *Sparus* Linnaeus, 1758, given in 1922 in *Opinion* 69, the problem so involved was allotted the Registered Number Z.N.(S.) 607.

II.—THE DECISION TAKEN BY THE INTERNATIONAL COMMISSION ON ZOOLOGICAL NOMENCLATURE

3. Issue of Voting Paper V.P.(O.M.)(55)25 : On 1st September 1955 a Voting Paper (V.P.(O.M.)(55)25) was issued in which each Member of the Commission was asked (1) to state whether he agreed that " in conformity with the General Directive relating to the giving of Rulings on matters left unsettled in previously rendered *Opinions* issued to the International Commission by the Thirteenth International Congress of Zoology, Paris, 1948, and to the further Directives relating to the maintenance and development of the *Official Lists* and *Official Indexes* issued by the foregoing Congress and by the Fourteenth International Congress of Zoology, Copenhagen, 1953, the entries on

the said *Lists* and *Indexes* in regard to the generic name *Sparus* and associated names recommended in paragraph 7 of the Report bearing the number Z.N.(S.) 607 submitted by the Secretary simultaneously with the present Voting Paper [i.e. in the paragraph numbered as above in the Report reproduced in the first paragraph of the present *Direction*] be made thereon as proposed" and (2), if he was of the opinion that any of the suggested entries was not in harmony with the General Directives referred to above, to indicate that entry.

4. The Prescribed Voting Period : As the foregoing Voting Paper was issued under the One-Month Rule, the Prescribed Voting Period closed on 1st October 1955.

5. Revision of proposal relating to the family-group name based on the generic name "Sparus" Linnaeus, 1758 : On 25th September 1955 Mr. Hemming, as Secretary, placed the following Minute of Direction on the Commission's File Z.N.(S.) 607 :—

Family-group name based on the generic name "Sparus" Linnaeus, 1758

By FRANCIS HEMMING, C.M.G., C.B.E.,

Secretary to the International Commission on Zoological Nomenclature

The purpose of the present Minute is to place on record certain supplementary investigations in regard to the family-group name based upon the generic name *Sparus* Linnaeus, 1758, which I have carried out since the submission to the Commission of the paper numbered Z.N.(S.) 607, and to formulate a revised proposal in regard to this matter.

2. At the time of the preparation of the foregoing paper the earliest use in the literature of the name SPARIDAE in proper form which it had been possible to trace was that by Richardson in 1848. On the other hand a family-group name based on the generic name *Sparus* had

been introduced many years earlier, by Cuvier in 1829, but unfortunately the name so used consisted of a vernacular (French) word and not a Latinised word. The further investigations since undertaken have shown (a) that the Latin name SPARIDAE Richardson, 1848, is antedated by sixteen years by the name SPARIDAE Bonaparte (C.L.J.L.) [1832] (*Saggio distrib. met. Anim. Vert.* : 91, 105) and (b) that the generic name *Sparus* Linnaeus was taken as the base for a vernacular (French) family-group name SPAROIDES twelve years earlier than had previously been supposed, by Cuvier (G.L.C.F.D.), 1817 (*Règne Anim.* 2 : 269).

3. In the paper referred to above I took the view (paragraph 6) that, having regard to the relatively late date (1848) which was then believed to be the first occasion on which a Latin family-group name based on the generic name *Sparus* Linnaeus had been published, there was a risk that, if the name SPARIDAE were to rank for priority only from Richardson, 1848, this family-group name might be found to have been anticipated by some other family-group name based upon the name of an allied genus. I accordingly recommended that, in order to ward against this danger, the Commission should have resort to the permission granted by the Fourteenth International Congress of Zoology, Copenhagen, 1953 for use in such cases under which a family-group name published in vernacular form may be accepted as being available for nomenclatorial purposes. Now however that it is seen that a family-group name was published in due Latin form as early as 1832 it seems to me that the risk previously apprehended may be regarded as having been substantially met.

4. For the reasons set forth above I now, as Secretary, direct : that the following amended proposals be substituted for the proposals submitted in Points (3) and (4) in paragraph 7 of the paper numbered Z.N.(S.) 607 submitted with Voting Paper V.P.(O.M.)(55)25 :—

- (a) The under-mentioned family-group name to be placed on the *Official List of Family-Group Names in Zoology* : SPARIDAE Bonaparte (C.L.J.L.), [1832] (type genus : *Sparus* Linnaeus, 1758).
- (b) The under-mentioned family-group name to be placed on the *Official Index of Rejected and Invalid Family-Group Names in Zoology* : SPAROIDES Cuvier (G.L.C.F.D.), 1817 (type genus : *Sparus* Linnaeus, 1758) (invalid because a vernacular (French) word).

6. Particulars of the Voting on Voting Paper V.P.(O.M.)(55)25 :
At the close of the Prescribed Voting Period, the state of the voting on Voting Paper V.P.(O.M.)(55)25 was as follows :—

(a) *Affirmative Votes had been given by the following twenty-five (25) Commissioners (arranged in the order in which Votes were received) :*

Bodenheimer ; Holthuis ; Lemche ; Hering ; Riley ;
Mayr ; Vokes ; Miller ; Prantl ; Key ; Esaki ;
Bradley (J.C.) ; Cabrera ; Stoll ; do Amaral ;
Boschma ; Kühnelt ; Hemming ; Dymond ; Sylvester-
Bradley ; Jaczewski ; Tortonese ; Mertens ; Bonnet ;
Hankó ;

(b) *Negative Votes :*

None ;

(c) *Voting Papers not returned :*

None.

7. Declaration of Result of Vote : On 4th October 1955, Mr. Hemming, Secretary to the International Commission, acting as Returning Officer for the Vote taken on Voting Paper V.P. (O.M.)(55)25, signed a Certificate that the Votes cast were as set out in paragraph 6 above and declaring that the proposal submitted in the foregoing Voting Paper had been duly adopted and that the decision so taken was the decision of the International Commission in the matter aforesaid.

8. Preparation of the Ruling given in the present “ Direction ” :
On 16th December 1955 Mr. Hemming prepared the Ruling given in the present *Direction* and at the same time signed a Certificate that the terms of that Ruling were in complete accord

with those of the proposal approved by the International Commission in its Vote on Voting Paper V.P.(O.M.)(55)25, as adjusted by the Minute of Direction executed by the Secretary on 25th September 1955. The text of the foregoing Minute has been reproduced in paragraph 5 of the present *Direction*.

9. Original References : The following are the original references for the generic and specific names placed on *Official Lists* by the Ruling given in the present *Direction* :—

aurata, *Sparus*, Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 277

Sparus Linnaeus, 1758, *Syst. Nat.* (ed. 10) **1** : 277

10. The following is the reference for the selection of a type species of the genus *Sparus* Linnaeus, 1758, specified in the Ruling given in the present *Direction* : Bleeker (P.), 1876, *Arch. néerl. Sci. nat.*, Haarlem **11** : 281.

11. The following are the original references for the family-group names specified in the Ruling given in the present *Direction* :—

SPARIDAE Bonaparte (C.L.J.L.), [1832], *Saggio distrib. met. Anim. Vert.* : 91, 105

SPAROIDES Cuvier (G.L.C.F.D.), 1817, *Règne Anim.* **2** : 269

12. The prescribed procedures were duly complied with by the International Commission on Zoological Nomenclature in dealing with the present case, and the present *Direction* is accordingly hereby rendered in the name of the said International Commission by the under-signed Francis Hemming, Secretary to the International Commission on Zoological Nomenclature, in virtue of all and every the powers conferred upon him in that behalf.

13. The present *Direction* shall be known as *Direction Thirty-Four* (34) of the International Commission on Zoological Nomenclature.

DONE in London, this Sixteenth day of December, Nineteen Hundred and Fifty-Five.

*Secretary to the International Commission
on Zoological Nomenclature*

FRANCIS HEMMING